

Message

From: Zinner, Dania [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A3844911E1864E7F88C3BEC95DB2F48B-ZINNER, DANIA]
Sent: 11/9/2016 7:57:11 PM
To: Ketellapper, Victor [Ketellapper.Victor@epa.gov]
CC: Naftz, Douglas [Naftz.Douglas@epa.gov]
Subject: FW: please review this section of my EJ analysis document...

Victor-

I submitted this report to Doug Naftz thru Expresslink on April 29, 2016 so it should have been in the Records Center a long time ago. I can try to find and email to you but it might take a little while—I am buried with stuff happening on my other sites.

Thanks for your understanding,

Dania Zinner
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From: Ketellapper, Victor
Sent: Wednesday, November 09, 2016 8:16 AM
To: Shea, Valois <Shea.Valois@epa.gov>
Cc: Miller, Johanna <Miller.Johanna@epa.gov>; Zinner, Dania <Zinner.Dania@epa.gov>
Subject: RE: please review this section of my EJ analysis document...

Valois,

The information below is accurate and contained in the SI report. I have emailed you the PA report. I could not find the Final SI report in the Superfund Records Center, so I am tracking down that report for you. Both of these reports are public documents.

Dania – Do you have the final SI report electronically? If so, please forward to Valois and I.

Victor

From: Shea, Valois
Sent: Wednesday, November 09, 2016 12:11 AM
To: Ketellapper, Victor <Ketellapper.Victor@epa.gov>
Subject: please review this section of my EJ analysis document...

Hi Victor,

Kimi prompted me to be sure this info is all contained within documents available to the public. Could I get a copy of the report that was attached to the NFRAP form, when you have a moment, please? Meanwhile, would you please look over these paragraphs to make sure this is all public info.

Thanks very much! If you could be back to me by COB Thursday, that would be great.

3.1.2 The EPA Review of the Abandoned Uranium Mines located near the Dewey-Burdock Project Area

The Study Area contains abandoned uranium mines that are located within the proposed Dewey-Burdock Project Area. These mine include the Darrow open pit mines and the Triangle open pit. Figure 4 shows the locations of the mines and spoil piles, consisting of crushed overburden and waste rock. There were underground workings associated with the open pits. The two Freezeout underground mines are located to the northeast just outside of the Project Area and are not shown in Figure 4. The public has expressed concerns about the potential impacts from the unreclaimed areas of these abandoned mines, which includes open pits and spoil piles, on surface water and the Cheyenne River. Edgemont is the nearest population center along the Cheyenne River downgradient from the proposed Dewey-Burdock Site and the abandoned uranium mines. These mines had not been previously investigated to determine if they caused a disproportionate impact to the environment and health of nearby residents.

On August 1, 2013, the non-profit Institute of Range and the American Mustang (IRAM), owner of the Black Hills Wild Horse Sanctuary requested an assessment of the abandoned open pit uranium mines in the vicinity of the proposed Dewey-Burdock Uranium ISR Project Area. Included within the scope of this request are seven open pit mines, four shallow underground mines, and two underground adits (tunnels) leading out of the open pits associated with the Darrow, Freezeout and Triangle (DFT) uranium mine sites.

The written request constituted a citizen's petition under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Section 105(d). In response to a citizen's petition, EPA is required to conduct a preliminary assessment (PA) within 12 months or provide rationale as to why one is not needed. The citizen raised concerns that the DFT mines as well as the proposed ISR project would destroy the land and water in the area and jeopardize public health and wildlife. EPA completed the PA and concluded that further investigation was warranted. These results were communicated to the petitioner and other stakeholders in September 2014.

The EPA conducted a Site Investigation (SI) in September, 2015 to evaluate potential impacts to sensitive environments and fisheries. Sampling was limited to surface water and sediments since access was not granted to mine source areas. However, the SI considered data collected by others for the mine source areas to conduct the evaluation. The SI report was completed in March, 2016. Analytical results of the sampling showed that concentrations of total metal uranium, uranium-238, and radium-226 in surface water were not measured to exceed three times background concentrations which would indicate that a release of metals and radionuclides to the surface water pathway could not be documented for the Site. Thus EPA made a no further remedial action planned (NFRAP) decision since the Site does not qualify for NPL based on existing information as of March 2016. If conditions change or if there is a change in land use in this area, EPA can reassess the site in the future. Only a few of the site-related contaminants analyzed (aluminum, chromium, iron, and lead) were measured above three times background concentrations in the surface water. No health based or ecological standards were exceeded for these constituents. Therefore, further remedial response actions are not warranted. The Remedial Site Assessment Decision form is included in Appendix C of this document.

The EPA investigation did not demonstrate that there were any disproportionately high and adverse human health or environmental effects impacting the Study Area or the Edgemont Area from the abandoned uranium mines.

Valois

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